

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: BREEDIS, JOHN F., et al Docket: 102134-100
Serial No.: N/A Art Unit: N/A
Filed: HEREWITH Examiner:
Assignee: OLIN CORPORATION
Title: NICKEL CONTAINING HIGH COPPER ALLOY

jc979 U.S. PTO
09/865184
05/24/01

Certificate of Mailing

Date of Deposit

I hereby certify under 37 CFR 1.8(a) that this correspondence (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to Assistant Commissioner for Patents, Washington, DC 20231.

Signed: _____

Name: Gregory S. Rosenblatt

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Commissioner for Patents
U.S. Patent and Trademark Office
Washington, DC 20231

Dear Sir:

Pursuant to 37 C.F.R. §§1.56, 1.97 and 1.98, please find enclosed an Information Disclosure Statement, Form PTO-1449 and one copy of each cited reference. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.



1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required.

- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. Each item of information contained on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1); and no fee is required under 37 C.F.R. §1.17(p).
- ☐ b. No item of information cited on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2); and no fee is required under 37 C.F.R. §1.17(p).
- ☐ Please charge Deposit Account No. 23-1665 in the amount of \$240.00 in payment of the fee under 37 C.F.R. §1.17(p). Two additional copies of this Information Disclosure Statement are enclosed.
- ☐ A check in the amount of \$240.00 is attached hereto in payment of the fee under 37 C.F.R. §1.17(p).
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. It is hereby requested that the Information Disclosure Statement be considered.
- ☐ a. Each item of information contained on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application

not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).

☐ b. No item of information cited on Form PTO-1449 filed herewith was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).

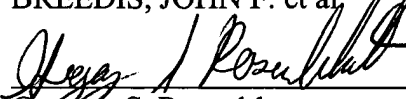
☐ Please charge Deposit Account No. 23-1665 in the amount of \$130.00 in payment of the fee under 37 C.F.R. §1.17(i)(1). Two additional copies of this Information Disclosure Statement are enclosed.

☐ A check in the amount of \$130.00 is attached hereto in payment of the fee under 37 C.F.R. §1.17(i)(1).

The undersigned represents that the closest art of which he is presently aware has been cited herein and understands that this statement shall not be construed as a representation that no better art exists or that a thorough patentability search has been made.

The undersigned further represents that the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

Respectfully submitted,
BREEDIS, JOHN F. et al


Gregory S. Rosenblatt

Reg. No. 32,489

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Signed: _____

Name: Gregory S. Rosenblatt

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Washington, DC 20231

Dear Sir:

In keeping with the duty of candor and good faith owed to the Patent and Trademark Office, Applicant wishes to make of record the items on attached PTO Form 1449 which were considered in the preparation of the subject application. Copies of the items are provided in accordance with 37 CFR §1.98.

U.S. Patent No. 1,199,200 entitled "Alloy" by Monville issued September 26, 1916.

U.S. Patent No. 3,639,119 entitled "Copper Base Alloy" by McLain issued February 1, 1972.

U.S. Patent No. 3,698,965 entitled "High Conductivity, High Strength Copper Alloys" by Ence, Elmars, issued October 17, 1972.

U.S. Patent No. 4,249,941 entitled "Copper Base Alloy for Leads of Integrated Circuit" by Futatsuka, R. et al. issued Feb. 10, 1981.

U.S. Patent No. 4,337,089 entitled "Copper-Nickel-Tin Alloys for Lead Conductor Materials for Integrated Circuits and a Method for Producing the Same" by Arita et al. issued June 29, 1982.

U.S. Patent No. 4,601,879 entitled "Copper-Nickel-Tin-Titanium-Alloy and a Method for Its Manufacture" by Dürschnabel et al. issued July 22, 1986.

U.S. Patent No. 4,605,532 entitled "Copper Alloys Having an Improved Combination of Strength and Conductivity" by Knorr et al. issued August 12, 1986.

U.S. Patent No. 4,627,960 entitled "Copper-Based Alloy" by Nakajima, et al issued December 9, 1986.

U.S. Patent No. 5,387,293 entitled "Copper Base Alloys and Terminals Using the Same" by Endo et al. issued February 7, 1995.

U.S. Patent No. 5,624,506 entitled "Copper Alloy for Use in Electrical and Electronic Parts" by Tsuzaki, et al et al. issued April 29, 1997.

U.S. Patent No. 5,853,505 entitled "Iron Modified Tin Brass" by Brauer et al. issued December 29, 1998.

U.S. Patent No. 5,882,442 entitled "Iron Modified Phosphor-Bronze" by Caron et al. issued March 16, 1999.

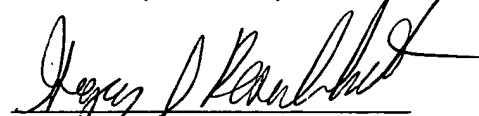
U.S. Patent No. 6,093,265 entitled "Copper Alloy Having Improved Stress Relaxation" by Brenneman.

U.S. Patent No. 6,132,528 entitled "Iron Modified Tin Brass" by Brauer et al. issued October 17, 2000.

Japanese Patent Publication No. 11-264037, entitled "Copper Alloy Foil" by Maki
published September 28, 1999, with translation.

The undersigned represents that the closest art of which he is presently aware has been
cited herein and understands that this statement shall not be construed as representation that
no better art exists or that a thorough patentability search has been made.

Respectfully submitted,
BREEDIS, JOHN F., ET. AL



Signature of Attorney

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